



CHAMP DISCOVERER™

Magnetic multi-purpose drill hole surveying system

The Champ Discoverer Electronic Multishot is a magnetic drill hole surveying system designed to make the data collection process simpler and easier for the operator.

The hand-held ruggedised tablet communicates wirelessly with the Champ Discoverer probe through an infra-red data link. The timer in the hand-held unit is synchronized with the probe, prior to being lowered into the drill hole, and data is saved into memory as each shot is taken.

When the survey is complete, the data is downloaded to the hand-held tablet which displays the processed data along with primary quality control indicators including Mag Field, Mag Dip, Btotal and Gtotal. When exported to Axis' onTrack™ Survey Analysis Software, further features such as enhanced analysis, survey and 3D graphical views as well as report generation are available to the user.

- ▣ Singleshot, Multishot & Orientation
- ▣ Robust & Reliable (1000g axial)
- ▣ High Speed Infra-red Communication
- ▣ Simple & Effective Quality Control
- ▣ Long Life Re-chargeable Batteries
- ▣ Battery Voltage Indicator

onTrack™ Survey Analysis Software | Real-time Facility | Wireless Data Transfer to Cloud via Axis onSite™

Visit us at www.axisminetech.com

Upgrade your existing technology today.



✔ **Small Compact Instrument Module**

Easy to handle and highly robust

✔ **In-field Battery Module replacement**

Two battery modules supplied

✔ **User Friendly**

Uses intuitive modern Axis proprietary software

✔ **Wireless Communications Module**

High speed infra-red communication

✔ **Easy Data Transfer**

Plug in USB stick to transfer data from controller
Wireless data transfer from tablet to cloud via Axis onSite™

✔ **High Accuracy Calibration Procedure Employed**

Helmholz coil calibration system

✔ **Real Time Instrument Facility**

Orientate wedges and Downhole Motors quickly and accurately

✔ **onTrack™ Survey Analysis Software**

3D Graphical displays and view surveys
Quality control analysis and survey report generation
Project or hole by hole view in Google Earth



✔ **SPECIFICATIONS**

Accuracy

Azimuth : +/- 0.5°

Inclination : +/- 0.3°

Gravity Toolface : +/- 0.3°

Magnetic Dip Angle : +/- 0.5°

Magnetic Intensity : +/- 250nT

Range

Inclination : -90° to +90°

Azimuth : 0° to 360°

Temperature, Shock & Pressure Rating

Temperature : -30°C to + 70°C (-22°F to 158°F)

Shock : 1000g Axial, 1/2 sine, 1ms

Pressure Rating : 6000psi or 4000m (13,125ft) in fresh water

Battery & Memory

1700mAh Li-Ion rechargeable pack

Recharge Time : 4-6 hours

Battery Usage : 25 hours (operating)

Battery voltage display

Dimensions & Weight

Downhole Probe in Running Gear

Outside Diameter : 38mm (1.5")

Length : 1260mm (49.6")

Weight : 7.2kg (15.9lbs)

Handheld Tablet

Ruggedised water resistant tablet

Dimensions : 185 x 93 x 21mm (7.28 x 3.66 x 0.81")

Weight : 385g (0.85lbs)

Measurements & Communication

Singleshot, multishot & orientation operation

Measurement interval 10 sec

High speed infra-red communication

Wireless data transfer from tablet to cloud via Axis onSite™

Technical specifications are subject to change without notification.

Visit us at www.axisminetech.com